

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 251521US96DIV	SERIAL NO. 10/828,352	
LIST OF REFERENCES CITED BY APPLICANT				APPLICANT Michael R JOHNSON		
				FILING DATE April 21, 2004	GROUP 1624	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					
	AL					
	AM					
	AN					
FOREIGN PATENT DOCUMENTS						
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	NO
ZT	AO	WO 00/23023	4/27/2000	WIPO		
ZT	AP	WO 01/05773 A1	1/25/2001	WIPO		
	AQ					
	AR					
	AS					
	AT					
	AU					
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)						
ZT	AV	Maria E. GIANNAKOU, et al., "Characterization of the <i>Drosophila melanogaster</i> alkali-metal/proton exchanger (NHE) gene family", The Journal of Experimental Biology, XP-002381331, vol. 204, no. 21, 2001, pages 3703-3716				
ZT	AW	Pascal BARBRY, et al., "Biochemical Identification of Two Types of Phenamil Binding Sites Associated with Amiloride-Sensitive Na ⁺ Channels", Biochemistry, XP-002381332, vol. 28, no. 9, 1989, pages 3744-3749				
ZT	AX	Pascal BARBRY, et al., "[³ H]Phenamil Binding Protein of the Renal Epithelium Na ⁺ Channel. Purification, Affinity Labeling, and Functional Reconstitution", Biochemistry, XP-002381333, vol. 29, no. 4, 1990, pages 1039-1045				
ZT	AY	Jeanne VELLY, et al., "Effects of amiloride and its analogues on [³ H]batrachotoxinin-A 20- α benzoate binding, [³ H]tetracaine binding and ²² Na influx", European Journal of Pharmacology, XP-002381334, vol. 149, no. 1-2, 1988, pages 97-105				
ZT	AZ	Thomas R. KLEYMAN, et al., "The Cellular Pool of Na ⁺ Channels in the Amphibian Cell Line A6 Is Not Altered by Mineralocorticoids", THE JOURNAL OF BIOLOGICAL CHEMISTRY, XP-002381335, vol. 264, no. 20, July 15, 1989, pages 11995-12000			<input type="checkbox"/> Additional References sheet(s) attached	
Examiner <i>[Signature]</i>				Date Considered <i>19 OCTOBER 2006</i>		
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 251521US96		SERIAL NO. 10/828,352 NEW APPLICATION	
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT		Michael R. JOHNSON			
		FILING DATE <u>HEREWITH</u>		GROUP <u>1624</u>			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
ZT	AA	4,177,285	12-04-79	Cragoe, Jr. et al.			
ZT	AB	3,794,734	02-26-74	Cragoe, Jr. et al.			
ZT	AC	3,864,401	02-04-75	Schultz et al.			
ZT	AD	3,914,253	10-21-75	Cragoe, Jr. et al.			
ZT	AE	3,929,872	12-30-75	Cragoe, Jr. et al.			
ZT	AF	3,931,239	01-06-76	Cragoe, Jr. et al.			
ZT	AG	3,953,476	04-27-76	Cragoe, Jr. et al.			
ZT	AH	3,966,966	06-29-76	Cragoe, Jr. et al.			
ZT	AI	4,006,180	02-01-77	Cragoe, Jr. et al.			
ZT	AJ	4,012,524	03-15-77	Cragoe, Jr. et al..			
ZT	AK	4,159,279	06-26-79	Smith et al.			
ZT	AL	4,163,781	08-07-79	Cragoe, Jr. et al.			
ZT	AM	4,163,794	08-07-79	Cragoe, Jr. et al.			
ZT	AN	4,085,219	04-18-78	Cragoe, Jr. et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES NO		
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
ZT	AW	R. Tarran et al., <u>The CF Salt Controversy: In Vivo Observations and Therapeutic Approaches</u> , <i>Molecular Cell</i> , Vol. 8, 149-158, July 2001.					
ZT	AX	Michael R. Knowles et al., <u>Amiloride in Cystic Fibrosis: Safety, Pharmacokinetics, and Efficacy in the Treatment of Pulmonary Disease</u> , Chapter 20, page 301-316. <u>1992</u>					
ZT	AY	Louis Simchowitz et al., <u>An Overview of the Structure Activity Relations in the Amiloride Series</u> , Chapter 2, page 9-25. <u>1992</u>					
ZT	AZ	J.R. Sabater et al., <u>Aerosolization of P2y2-Receptor Agonists Enhances Mucociliary Clearance in Sheep</u> , <i>The American Physiological Society</i> , page 2191-2196. <u>1999</u>					
Examiner <u>John</u>				Date Considered 19 OCTOBER 2006			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. 251521US96	SERIAL NO. 10/828,352 NEW APPLICATION
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT	Michael R. JOHNSON
		FILING DATE 21 APRIL 2004 HEREWITHE	GROUP 1624

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
ZT	AA	4,025,625	05-24-77	Rooney et al.			
ZT	AB	4,196,292	04-01-80	Woltersdorf, Jr. et al.			
ZT	AC	4,087,526	05-02-78	Cragoe, Jr. et al.			
ZT	AD	4,087,542	05-02-78	Cragoe, Jr. et al.			
ZT	AE	4,092,414	05-30-78	Cragoe, Jr. et al.			
ZT	AF	4,100,294	07-11-78	Cragoe, Jr. et al.			
ZT	AG	4,105,769	08-08-78	Rooney et al.			
ZT	AH	4,140,776	02-20-79	Cragoe, Jr. et al.			
ZT	AI	4,145,551	03-20-79	Cragoe, Jr. et al.			
ZT	AJ	4,181,727	01-01-80	Cragoe, Jr. et al.			
ZT	AK	4,237,130	12-02-80	Cragoe, Jr. et al.			
ZT	AL	4,237,144	12-02-80	Cragoe, Jr. et al.			
ZT	AM	4,277,602	07-07-81	Woltersdorf et al.			
ZT	AN	4,291,050	09-22-81	Woltersdorf, Jr. et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	NO
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					
	AU					
	AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

ZT	AW	Thomas R. Kleyman et al., <u>Amiloride and Its Analogs as Tools in the Study of Ion Transport</u> , <i>The Journal of Membrane Biology</i> , Vol. 105, pages 1-21, 1988.
ZT	AX	Edward C. Taylor et al., <u>A Facile Route to "Open Chain" Analogues of DDATHF</u> , <i>Heterocycles</i> , Vol. 28, No. 2, 1989.
ZT	AY	Paul-Michael Windscheif et al., <u>Substituted Dipyridethenes and -ethynes and Key Pyridine Building Blocks</u> , <i>Synthesis</i> , pages 87-92, January 1994.
ZT	AZ	Edward J. Cragoe, Jr., <u>The Synthesis of Amiloride and Its Analogs</u> , page 24-38, Chapter 3, 1992

Examiner

Date Considered 19 OCTOBER 2006

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO 1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO. 251521US96	SERIAL NO. 10/828,352 NEW APPLICATION
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT	Michael R. JOHNSON
		FILING DATE <u>21 APRIL 2004</u> HEREWITH	GROUP <u>1624</u>

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
ZT	AA	4,003,927	01-18-77	Woltersdorf, Jr. et al.			
ZT	AB	4,296,122	10-20-81	Cragoe, Jr. et al.			
ZT	AC	4,317,822	03-02-82	Woltersdorf, Jr. et al.			
ZT	AD	4,362,724	12-07-82	Bock et al.			
ZT	AE	4,401,669	08-30-83	Cragoe, Jr. et al.			
ZT	AF	3,974,212	08-10-76	Cragoe, Jr. et al.			
ZT	AG	3,984,465	10-05-76	Cragoe, Jr. et al.			
ZT	AH	3,984,552	10-05-76	Cragoe, Jr. et al.			
ZT	AI	4,067,980	01-10-78	Cragoe, Jr. et al.			
ZT	AJ	4,085,117	04-18-78	Cragoe, Jr. et al.			
ZT	AK	4,085,211	04-18-78	Cragoe, Jr. et al.			
ZT	AL	4,246,406	01-20-81	Cragoe, Jr. et al.			
ZT	AM	3,472,848	10-14-69	Edward J. Cragoe, Jr. et al.			
ZT	AN	3,544,571	12-01-70	Edward J. Cragoe, Jr., et al.			

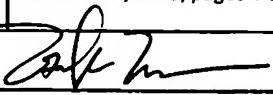
FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	NO
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					
	AU					
	AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

ZT	AW	Jack H. Li, et al., <u>Stereoselective Blockage of Amphibian Epithelial Sodium Channels by Amiloride Analogs</u> , <i>The Journal of Pharmacology and Experimental Therapeutics</i> , Vol. 267, No. 3, pages 1081-1084, 1993.
ZT	AX	Pallav L. Shah, M.D., <u>Chapter 7, Progress in the Treatment of Pulmonary Disease in Cystic Fibrosis</u> , Annual Reports in Medicinal Chemistry, Vol. 36, pages 67-76, 2001.
ZT	AY	Dieter Worlitzsch et al., <u>Effects of Reduced Mucus Oxygen Concentration in Airway Pseudomonas Infections of Cystic Fibrosis Patients</u> , <i>The Journal of Clinical Investigation</i> , February 2002, Volume 109, Number 3, pages 317-336.
ZT	AZ	Edward J. Cragoe, Jr., et al., <u>Chapter 7: Diuretic Agents</u> , Annual Reports in Medicinal Chemistry, 1966, page 59-68.

Examiner <i>[Signature]</i>	Date Considered <i>19 OCTOBER 2005</i>
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 251521US96	SERIAL NO. 10/828,352 NEW APPLICATION		
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT		Michael R. JOHNSON			
		FILING DATE 21 APRIL 2004 <i>HEREWITNESS</i>		GROUP 1624			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
ZT	AA	3,991,106	11-09-76	Cragoe, Jr., et al.			
ZT	AB	3,991,087	11-09-76	Cragoe, Jr. et al.			
ZT	AC	3,989,749	11-02-76	Cragoe, Jr. et al.			
ZT	AD	3,987,091	10-19-76	Cragoe, Jr. et al.			
ZT	AE	3,979,361	09-07-76	Schultz et al.			
ZT	AF	3,976,686	08-24-76	Cragoe, Jr. et al.			
ZT	AG	3,976,681	08-24-76	Cragoe, Jr. et al.			
ZT	AH	3,958,004	05-18-76	Cragoe, Jr. et al.			
ZT	AI	3,956,374	05-11-76	Shepard et al.			
ZT	AJ	3,928,624	12-23-75	Cragoe, Jr. et al.			
ZT	AK	3,894,065	07-08-75	Cragoe, Jr. et al.			
ZT	AL	3,668,241	06-06-72	Cragoe, Jr. et al.			
ZT	AM	3,625,950	12-07-71	Edward J. Cragoe, Jr.			
ZT	AN	4,298,743	11-03-81	Cragoe, Jr. et al.			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	NO	
	AO						
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
ZT	AW	Edward J. Cragoe, Jr., et al., <u>Chapter 7: Diuretic Agents</u> , <i>Annual Reports in Medicinal Chemistry</i> , 1965, page 67-77.					
ZT	AX	Robert L. Smith, et al., <u>Chapter 8: Diuretics</u> , <i>Annual Reports in Medicinal Chemistry</i> , Volume 11, pages 71-79, 1976.					
ZT	AY	Robert L. Smith, et al., <u>Chapter 7: Diuretics</u> , <i>Annual Reports in Medicinal Chemistry</i> , Volume 13, pages 61-70, 1978.					
ZT	AZ	Edward J. Cragoe, Jr., <u>Structure-Activity Relationships in the Amiloride Series</u> , <i>Merck Sharp and Dohme Research Laboratories</i> , 1979, pages 1-20.					
Examiner 				Date Considered 19 OCTOBER 2000			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 251521US96		SERIAL NO. 10/828,352 NEW APPLICATION	
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT					
		FILING DATE 21 APRIL 2004 HEREWITH				GROUP 1624	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
ZT	AA	3,313,813	04/11/67	Cragoe	<u> </u>	<u> </u>	
ZT	AB	3,573,306	03/30/71	K.L. Shepared et al.	<u> </u>	<u> </u>	
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
	AO				YES		NO
	AP						
	AQ						
	AR						
	AS						
	AT						
	AU						
	AV						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
ZT	AW	J. B. BICKING, et al., J. Med. Chem., vol. 8, no. 5, pp. 638-642, "PYRAZINE DIURETICS. I. N-AMIDINO-3-6-HALOPYRAZINECARBOXAMIDES", 1965.					
ZT	AX	R. F. EPAND, et al., British Journal of Cancer, vol. 63, no. 2, pp. 247-251, "REVERSAL OF INTRINSIC MULTIDRUG RESISTANCE IN CHINESE HAMSTER OVARY CELLS BY AMILOLIDE ANALOGS", 1991.					
ZT	AY	T. M. COCKS, et al., British Journal of Pharmacology, vol. 95, no. 1, pp. 67-76, 1988.					
ZT	AZ	T. R. KLEYMAN, et al., American Journal of Physiology, vol. 260, no. 2, PL 1, pp. C271-C276, 1991.					
Examiner 				Date Considered 19 OCTOBER 2006			
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

Form PTO 1449 (Modified)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY DOCKET NO.	SERIAL NO. <i>10/828,352</i>
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT	<i>MICHAEL R. JOHNSON</i>
		FILING DATE <i>21 APRIL 2004</i>	GROUP <i>1624</i>

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						
	AN						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION YES	NO
	AO					
	AP					
	AQ					
	AR					
	AS					
	AT					
	AU					
	AV					

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

<i>ZT</i>	AW	K. E. BARRETT, et al., Annual Rev. Physiol. vol. 2000, no. 62, pp. 535-572.
<i>ZT</i>	AX	R.F. Epand, et al., "REVERSAL OF INTRINSIC MULTIDRUG RESISTANCE IN CHINESE HAMSTER OVARY CELLS BY AMILOLIDE ANALOGS", Br. J. Cancer (1991), 63, pp. 247-251.
<i>ZT</i>		Kim E. Barrett, et al., "CHLORIDE SECRETION BY THE INTESTINAL EPITHELIUM: MOLECULAR BASIS AND REGULATORY ASPECTS", Annu. Rev. Physiol. 2000, 62, pp. 535-572.
<i>ZT</i>	AZ	Copy of Form PCT/IPEA/408, Written Opinion for International Application No. PCT/US03/04817, filed February 19, 2003.

Examiner <i>ZT</i>	Date Considered <i>19 OCTOBER 2006</i>
*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	